



## Mobile Emissions Laboratory

- Custom Configuration
- Custom Storage Solutions
- Exterior & Interior Options



• Mobile Lab Ready To Go

• Fully Equipped

• Built To Your Custom Specifications

## Mobile Emissions Lab Options

### Trailer Options:

- Lengths from 14 to 24 feet
- Extended interior heights
- GVW ratings from 7,000lbs. to 12,000lbs.
- Electric trailer brakes on two axles
- Side personnel door
- Windows
- Rear ramp door
- Rear barn doors
- Scissor jack stabilizers (4)
- Hydraulic trailer levelers (automatic one button)
- Ventilation, powered and non powered
- Custom options at customer request

### Lighting Options:

- High output fluorescent lighting
- Under cabinet lighting
- Equipment specific lighting
- Outside Flood-lights

### Interior Options:

- Front Workspace / desk 26" deep with under storage
  - File drawers
  - Cabinets with or without shelves
  - Tool chest
  - Custom fitted storage
- Roadside and curbside worktops with built in under storage
- Front overhead cabinets with under cabinet lighting
- Roadside and curbside overhead storage cabinets
- Custom compressed gas bottle Racks with positive locking hold down
- Standard or wall protocol station mounted regula-

### Electrical Options:

- 12 volt DC
- 12 volt interior lighting (switched at door)
- 12 volt exterior flood lighting at rear and side doors
- DOT lighting - L.E.D.
- 120-240 volt AC
- 30 amp 50 amp or 100 amp service entrance
- Hubble pin and sleeve power cord for electrical supply
- Ground cable with clamp for plant ground source
- Grounding Rods
- 480-240 step down transformer with manual transfer switch
- Power conditioner (Clean Power)
- 20 amp high grade circuit breakers and outlets
- Xantrex 2000 watt inverter charger with automatic transfer switch
- Heavy duty deep cycle batteries
- Cummins Onan 7000 watt gas or diesel generator with manual transfer switch

### HVAC Options:

- Heavy duty AC system(s) heat pump or heat strip
- LPG furnace for colder climates
- Super high efficiency split system heat pump

### Storage Options:

- Pumps
- Meter Boxes
- Probes
- Umbilicals
- Glassware
- Other Equipment

### Modular Racks:

- Analyzer racks
- Roller base for racks
- Positive locking base in trailer
- Shock mounts



## Trailer Inspection and Repair Services

### Package 1

- Inspect hitch coupler for wear, adjust as necessary, inspect and lube tongue jack.
- Inspect tire wear, inspect rims for damage and corrosion, inspect lug holes for abnormal wear.
- Remove dust caps and inspect bearing grease for contaminants, check bearing preload and adjust as necessary.
- Check for brake engagement on each wheel.
- Inspect trailer plug for damage and corrosion, check all DOT lighting, brake, turn, clearance, marker and backup lights.
- Inspect doors for damage, inspect latches, hinges and locks, lubricate as needed, inspect door gaskets.

### Package 3

- Includes Trailer and Lab services.
- Check interior 12volt lighting.
- Check 120volt AC system for polarity at the outlets, check all visible wiring for damage and inspect circuit breaker box.
- Check air conditioner for proper operation and cooling, check heat strip if applicable.

### Package 2

- Includes Trailer inspection.
- Remove wheels and thoroughly inspect for damage and wear.
- Remove wheel hubs and inspect brake surface condition.
- Remove wheel bearings, clean, inspect and repack with premium high temp grease. Install new grease seals.  
*(Replacement parts and labor costs not included in standard service package).*
- Inspect brakes for wear, broken springs, magnet condition. *(Costs of replacement parts not included in standard service package).*
- Inspect trailer brake wiring and breakaway switch operation.
- Check brake away battery condition.
- Inspect frame for damage and corrosion.
- Inspect axles for damage and mounting condition

**Please contact Rick Wade for more information:**

Phone: (919) 557-7300 / Extension: 2005

Email: [rwade@apexinst.com](mailto:rwade@apexinst.com)

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### Contact:

Apex accomplished engineer, Rick Wade has over 25 years industry experience in designing and developing custom mobile vehicle labs. Please feel free to contact Rick with questions for your special project needs.